Essey good. Examined by M An Essay Phenomina of Labor Respectfully submited to the Faculty of the Homeopathie Medical bollege of Ferns gluania Richard Lewis Of Frankford Philadelphia February Ist.

Phenomine of Labor. Labor, What is its ? The term Labor is a small vora, but its is they representative; or Expression of a subject of great moment and magnitude, A subjects that is of almost un-- Surpassing interests to the Physician. This Subject It is around which perhaps more than any other, have clustered deep anxiety, interse Emotion, and Ernest solicetude; and on the nuppy issue of which have been suspended great Domestic Social and National Issues.

To watch over the process of Labor and bring its to a happy issue is assigned to the Physician; for which high trusts and veighty responsibility he cannot be too well hersed in this parts of his profession. But the question returns, What is Labor, 7 i, E, Natural Later, Later under ordinary cir cumstances? May its not be defined as, The Efforts of the Graved Ulerus to Emply tall of its Contents? Which contents may now be supposed to ach there as would A foreign body? Or may it he considered as the Effort of the Gravice Uterus to return to As non grance state, by wither of a law nuturally impressed upon

A. that on the 280 day of gestation is shall commence the process of involution, which involves in its The discharge of its contents ? Of mentioned 250 days as the period at which the process of partuntion commences, because this is the rule, not however as through its were absolute, for, as to ather rules there are Exceptions, so there to this, such as that its may in some cases commence as Early as the 250 day, and in others may go on to the 300 Day, But these cases are not so numerous as to invalidate or Even interfere with the rule. Therefore I said this process might he but obedience to this Law. But it is not important to

determine ohether Either of these alone, or both of them combined is that which brings about the commence - ment of Labor, i, E, whether it is induced by irritation or by the law of its organiz-- ation, because the result is the same in Either-case in it is the Effort to discharge the contents of the Ulerus, and then return to its normal state when not impregnated. Labor although attend_ -ed with the most Exquisite and unutterable sufferings should not he regarded as a disease or as the result of desease, for suche it is not, It being only a healthy and Payreological process. It is true that it present condition and that from which its

started and to which it is tending again are as widely differents, almost. as its is possible to conceine; and the whole process of Evolution and involution are not less bonderfue. Indud, no one not versed in these subjects could for a moment suppose it possible that by any healthy process the utery when in one of these conditions could arrive at the other and then retrace its steps and return to it normal rest and size. The differences are so great when Examined in the two conditions, such for instance as its measurements and capacity, having in the first instance the dimentions 21/2 mehrs long, 1/1 inches wide and 3/10 of an inch thick, through toth its

walks, with a capacity, perhaps, Equal to holding an Almond Rernel; and Then when Gravia measuring y by 12 mehrs and capable of containing a Foetus Measuring Say To inches, hesides its appendages viz, The membranes, the Liquor Amni and the Placente. Also its weight, at one time being 21/203, and at the other top lbs; at one time its blood versels so fine as to be searce - by appreciable at the other to be so increased in all their dimensions that cases have occurred in which a few moments have safficed for them to pour out the bornens life's blood? For the sake of simplify-- mg this as much as possible it has heen divided into three stages. I Dilitation. Il Expulsion III Ef -

- Whim of the secundines. I Delitation. And here I might premise that before this stage sets in there are manifested what Obstetricians de nominate pre cur - Sorry signs. Ist. About two weeks before delivery, in others perhaps only four or fine days, their occurs & subsi-- Cling or settling down of the wort and an apparent spreading out Laterally of the abdomen, and the Effect ofin is to relieve the respiratory organs, and also the stomach from the greats processine that is made on them, so that greatly to the relief of the woman redpi-- ration and digestion are more Easily and pleasanth performed. In this however there succeed, another condition which becomes very annoying to

her, particularly if the Reach be the presenting parts; The Uterus sinks somewhat into
the pelvis and make, pressure on the
pelvie viewa, giving an annoying sense of
weights about the fundament, pressure
on the rectum and blader causing strain
ing at stool, ineffectual desire to uninate,
and resicue tenesmus. Then orderne
and varices of the lower extremitus increase considerably, and owing to the
same cause if they have harnoroids
they will become more voluminous and
painful.

Thus step by step the term of Sestation arrives and Labor sets in or begins. And the genital organs Shich for some day, have been more moists than usual now become very much more so, and are most thoroughly lubricated with

a glary mueus, which after a short time becomes streaked with blood, which by The sex is called the show, which is considered as A sure sign of Labor set ting in. Now the pains which may have been felt occasionally during the pasts two weeks become frequent and acute, and during the period that Each pain lasts the abdomen retracts and the bomb hardens, and these pains although not so frequents in their recurrence as at A later-stage of the Labor- They appear from some cause or other to be less, bear -able, and because of their peculiarity They are called Grinders or Frinding pains, I would here digress to remark that if at this bomb the Physicean arrives, it is his duty to give immediate attention to having the rectum & blades-

Evacuated. Now the afore saice pains Continue to increase in severity and are mostly ushered in by a slight shin-- loing, and while the pain lasts the pulse is hard, frequent and full, The countenance is flushed, the surface and tongue become dry and thirst prevails to a considerable Extent; and during this process of delitation nausea and vorniting not unfrequently come on. Now these pains are they result of the all important process which we have said is denominated, The first stage of Labor, that of pereparing the passages for the factus to pass though into the outer world, The obliteration of the Cervix and delitation of the as Uteri; and although this process is slow, nothing van he performed until the Os is delated or delatable.

The antagonism which has Existed between the Fundus and Cerry ance or during the whole term of Gestation is not overcome without a painful struggle, hence the resistance, until the Contractions become so violents that-Eventually the or begins to jule, and The puessure of the membrane, into The os more dupely wish Each recuring pain, it be comes eventually fully dilated and the passage opened. The vagina and Vulva have also now be come measurably prepared for the parts Shieh they are to bear in this pro-- Cess, and the Uterus and Pagina togetherform a continuous canal. Not imprequently the termination of This stage is indicated by Violent shio. - eving or general tremors without any

Sense of cold, and is sometimes spoken of by the potents horself as being a remark-able circumstance. This is by some sup-posed to be occasioned by the strong im-pression made upon the nervous system by parturition.

The average time in which labor is concluded is recknowed at a little more than four hours, but it is not un-frequently protracted to 20, 40, 50, 60, or even more hours. Nor is there, as Ageneral rule much danger to Ei-ther the Mother or Child when the Slow-ness is in this part of labor.

There are several circumstances or conditions sets down as contributing to occasion delay in this stage. I shall name only of few. Ist. The cause of the tardiness of this process, may be, and induce often is found to be the origidaty of the corrix and of Uteri. And when this is the case its requires great powers of Endurance on the part of The woman, and great patience on the parts of the Physician. 2nd. In other cases its may be owing to the deficency or irregularity of the con-- tractions of the Uterus. 300, I mention Excessive distention of the Uterus, such as may occur in droppy of the amnios. And Tim pagnancies are found to Exercise the same Kind of influence, Pig. To protract the period in which culatation should take place I might remarte, that all things him Equal dilitation is most rapidly effected When the vertex presents, as its applies with greater directness and consequents Effect to the cirvix of the Uterus.

Under such circumstances the Physician and more Especially the young practitioner maybe urged by others and inclined himself to resort to some of the Expedients laid down to tory and influence the Uterus to more Organous action; but he should jula to these importunities and impulses with the greatest caution, never allowing a sound discremenating judgements to be dethroned at the beheat of more sympathy or impatuence, and most sacreely should be remem les the injunction attend by the worthy accupant of the chair of Obstetrics of this College, Neverto sine de cale Cornution in These circumstances, but to cheer the woman supports her strength, and on the movements of nature patiently to bail, bail, bails. As the rule deletation will take place, or the parts will be come ditatable in due time

and with this the first stage of laborwill have been completed. And here the 2nd, stage of labor commences, Viz. the Apulsion.

The pains occurring in the first stage al-- though very severe are never theless quite differents from those which occur in this The second stage, just as there is a dif--ference in the End to be accomplished, by the one, the preparation of the parts, The other to propel the factus through the passage thus prepared. The first occur at long intervals the latter at intervals dimineshing in leight until They become almost continuous; The first have not that great tenermie powery which are characteristic of the latter and which gives to them all their Effectiveness in Effelling the Child.

Indeed the difference of which we speak is so marked that it is stated as A fach, that A Physician who is accustomed to close observation will be able on Entering the room of a parturient female to form A tolerably correch opinion as to the stage and progress of labor by the patients monners which are so very differents during during the Expulsine from what they were under the delating pains. The Utter us which up to this time Seemed to work alone & unaided, now calls in to her assistance the abdominal Mus. -cles, and therefore as might be Expected the pain becomes much greater and the bearing down, the great tenesmic power is carried to the greatest hights. The agelation of the poor sufferer now be comes very greats, and sometimes

the functions of the intellects are musts seriously interfered with. Nor- is this all for the heat of the surface is much more marked, while the pulse is observed to range from 100 to 120 per minute. Nay more the whole system is in the highest state of Excitement, the pains are strong - Er and the intervals between Them are shorter; occasionally however the pains are followed by a calm and quiets more perfect than in the first Stage; Sometimes induce they are For complete that woman worn out as she is with pain and fatigue, falls into A refreshing sleep, which should be respected, as she soon avakes again, being aroused by A pain more severe than any of those which have preceded it.

The inferior part of the membranes now Engage in the Uterine orefice and the contractions cause the Liquor Amnii to flow down to that depending part; and repealed contractions renderits projecting and tende, until it is Eventually suptured, and the contain-- Ed waters Escape with greater or less rapidity according to the cir-- cumstances in Every particular-case. And now profelece by the same contraction the foetus is instantly applice to the os Uteri, and if the head be The presenting parts its Entirely closes up the opening for the time, and the name given to its position now, is the crowning The above named discharge of the waters now suspends the contractions

If the Teterus for a few moments, and the parts being relaxed thereby a small quantity more of the waters escape; but the pains now return again and become more energetic until the head is Expelled from the Uterus into the vagina.

This passage of the lead into the vagine gines the patient such intense pain as frequently to cause her- to ery out-most piteously and disparingly. And it is also observed that by the passage of the head into the vagine, it, the vagina, becomes widened and cloy-ated, all its transverse folds or Ragae are effected.

At this stage, many times the pain is introduced by shivering and the suffering patient clings to anything shieh she can

grast, presses her feets against the bed wish all her force, files her lungs to their greatest capacity, contracts all her mus -ely, and yests herself to the utmost to Expel the child, and its being so powerfully pressed comes into contact with the pelvic floor and causes its to protoude greatly at Every pain; And thus pain after pain Ensues until The fearfully distended and resistent foreneum cara resists no longer, all the parts become more and more distended until A most frightful pain causes the head to Escape from the vulva which passage sometimes forces loud and heart rending erys from The poor sufferer. Sometimes it is found that the same pain Ejects the body also, but more

Commonly A few moment Elapse, after which the pains are renewed and after one or two more the body is completely ejected from the parts of the mother, the delivery completed, and the se con a stage of labor is terminated, which many times has proven most Exhaus -sting to the bornan, and leaves her-for the time being quite worn outs. A rest of bath body and mines, most Sweets and refreshing, now succeeds for A few mountes, and then the contractions are renewed, which throw off and Effel the placenta and membranes. The attachment of theplacenta is so fraise that the simple contractions of the Uterus, i.E. its decrease in size is sufficients to cause its to drop offfrom its attachments, and then its is

Expelled finsts from the leterus and then from the vagina.

But although there is usually a prompt, delivery of the secundines, such is not always the case. In some case, the terms is slow to contract, and as its is by the contractions that the pla-centa is detached from the wall, of the Uterus, its follows that the slownes, af the womb to commence its return to its moronal state with the cause of the actention of the placenta.

In such a case, I knud ing of the Utoms by laying the hund on the abdomen, or the application of cold cloths to the abdomin and thigh may stimulate its to action, but if these and other simple means fail to a complish the desired snee, I dose of the sine of Ergots will in all probabily

prove succesful, the literus will contract and the placenta be delivered. But there are cases in which adhisions are for med between the placenta and the theres, and these may be of greater or less Extent and tenacity and may call for active measures to remove it, by breaking up the adhesions and Extracting the contents of The titerus. But cases have been Known in which days have Elapsed before all the parts have been removed. But where-even it is in any way practicable this should be avoided, for its is a most dangerous thing to leave anything he the uterus. When the Uterus has thus been fully Emptices, the third stage of labor is Ended and with this the The nomena of Labor is Closed Now when Labor progresses thus he reg-- wear order the Physician has little to

Hat it he not molisted by officious persons, to the detriment, its may be to both mother and child, and also to sustain the strength of the patient, and cheer her to the utmost in this hour of natures toil.

But as has been said labor does not always progress in this regular-order, for difficulties and complications may occur in any of its stages requiring the most prompt, Energetic and assiduant interference of the Physician.

Sometimes it is very much retarded by the cessation or irregularity of the pains. And this may arise from various causes, this condition may arise from disagnuable impressions, the presence of disagnuable persons, or from disagnuable odors, all of which have been known to act so as as to retard very greatly the progress of labor, sven for hours, and strange as its may seem, if these are at once removed; the labor will progress in regular order

weadeness, or upon Exhaustion by prenious hemorrhages. In this case it is affirmed that a few doses of Secale Cornutuma will in all probability restone the contractions. Puls. is also suitable if while the pains do Exists they do not appear to advance the labor

If the pains should cease suddenly from frights or some of the powerful Emotion, with congestion of the head, red face and a comotose condition, then Opium bould be I most valuable remedy. Fainting also may occur and this

complication, Especially if its occur frequently, a heart class may form and cause instant death, This condition may require Nas, t. Ignatia, Sem. or teratrum? Hur accidents can be more alarming than convulsions, and these are most likely to accur in nervous, sensitive persons who are always Easily Excited or alarmin. If they should be come complicated with lass of consciousness they are Emineutly dangerous.

For such persons Kined words, cheoning and Encouraging advice vile do A
great deal, by filling them with hope
and assurance, And when it is formed
necessary to give medicine we may give
Acon. Bell. leaff. Chan, Igna, opin,
of course according to the Mole group posmptoms.

Hermorrhage may occur. The cause of this should be ascertained as specify as pos-- Dible and the stutable remedies applied. If it he External its may be Easily, Known but if it he internal it may attain to A fearful hights before it is Known to Exist, and possibly the firsts internation of its Existance maybe family - ing; or possibly, The patient may Experience A great tension or Enlargement in the hterine region, and speak of a peculiar Sensation in the head, this will be most sympicant, and will admonish us to lower her head, to Emply the literus and to administer whowh delay, Engots, Annica, Eregiron or Puls. And What -Ever may dictated by the peculiar cir-- cumstances of the case should be prompt--by attended to, Kupny in mind the facts

that the indications to be fulfilled ane The Emptying of the uterus and the securing its contraction, and we shall thereby close The gaping orifices in its surface outs of which is streaming the woman's like blood, and thereby he the instruments of Saving a fellow mortal from prematine death - which success, will be a most rich reward for the time and labor Expended to acquire the Knowleage and ability thus to help and save & fellow mortal in such circumstance of Eminents danger -Men Labor has thus closed a little time should be allowed for the patient to rest, according to her condition, ofter which her Sorled garments should be changed foralean ones, well aired and warmed my, The bandage well appled and she

Should be very gently placed in her bed and be left to get a little repose. As regards the child, the Cord should be severed at about 21/2 mehr from the umbilious, after-taking care to Examine the cord to see that there is not contained within its a loop of in--testines, It should then be Examined to see that there are no malformations, and when it is washed and dressed, the cord having been carefully protected if its put to the breast Early it willbe much better both for mother and child For the Child, as the Colostoum is best adapted to act on the bowels and bring away the mecomum, and for the mother by lessening the danger of fever, when the mell begins to flow rapidly bases thus Managed usually do well to the great satisfaction of all the parties concerned, and greatly to the enedit of the attending Physician. Homospathic Medical College,